

## INSTALLATION INSTRUCTIONS FOR HOT FIX 41WARNTY04 ON WINDOWS

### BEFORE DOWNLOADING:

The hot fix 41WARNTY04 addresses the issue(s) in 4.1 of SAS Warranty Analysis software on WINDOWS as documented in the "Issue(s) Addressed" section of the hot fix download page:

<http://ftp.sas.com/techsup/download/hotfix/warnty41.html#41WARNTY04>

### IMPORTANT NOTE(S):

1. You must have SAS Warranty Analysis 4.1 installed on your system and hot fix 41warnty02 must already be applied before applying this hot fix.
2. The hotfix must be installed using the same userid that performed the initial SAS Warranty Analysis 4.1 installation.
3. You must have Administrator Privileges on your CLIENT or SERVER machine.
4. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.

### INSTALLING THIS HOT FIX:

1. Technical Support strongly suggests that you back up the files being replaced by this hot fix. You should always try to include the current date in the name of the backup file created to distinguish between versions of backup files. By doing this you will maintain a history of the file, which will be helpful when multiple iterations of a hot fix have been applied to the same file.

\*\*\* IMPORTANT NOTE: For the jar files, these backups must be created in a directory other than the directory that the original file resides in.

For example, copy the file

```
c:\foo\sas.foo.jar  
to  
c:\foo_backup\sas.foo.jar.09142009
```

Where 09142009 is the date when the hot fix is applied.

The .<date> extension MUST be appended AFTER the .jar extension as it appears above.

These instructions assume that SAS Warranty Analysis has been installed in the default locations

```
<!SASHOME>\SASWarrantyAnalysis\4.1
```

If you have installed this product in a different location, you will need to modify the paths above.

2. The hot fix package downloaded is a self extracting executable named 41WARNTY04wn.exe. Launching the executable will extract four components into c:\warnty04. The four components extracted are:

41wrtyanlap04wn.exe

contains updates to the SAS Warranty Analysis for Analytics Platform on WIN

41wrtyanlmid04wn.exe.

contains updates to the SAS Warranty Analysis Mid-Tier Server on WIN

41wrtyanlclnt04wn.exe.

contains updates to the SAS Warranty Analysis Client on WIN

41wrtyanlmva04wn.exe

contains updates to the SAS Warranty Analysis Server on WIN

**Use the instructions below to apply the individual components that apply to your system.**

### **Updating Analytics Platform Tier.**

#### **Installing 41wrtyanlap04wn.exe:**

The Analytics Platform component of the hot fix package is a self extracting executable named 41wrtyanlap04wn.exe. 41wrtyanlap04wn.exe should be copied to and installed on the machine which is running SAS Analytics Platform.

Launching the executable will initiate a Java install wizard, which will guide you through the extraction of the updated component(s).

41wrtyanlap04wn.exe Java installation file containing replacement files below:

sas.analytics.mfg.warranty.core.jar  
sas.analytics.mfg.warranty.core.client\_4.1.0.jar  
sas.analytics.mfg.warranty.core.smartobj.jar

**NOTE:** During 41wrtyanlap04wn.exe installation you may see the following error:

**ServiceException: (error code = -30017; message = "The filename, directory name, or volume label syntax is incorrect. (123)"; severity = 0)**

This is a known issue and can be ignored. This issue will not impact the installation of the hot fix.

To verify the installation of the hot fix confirm that the following file(s):  
sas.analytics.mfg.warranty.core.smartobj.jar

has been added in following locations indicated by the date provided:  
<!SASHOME>\SASAPCore\apps\SASWarrantyAnalysis\lib  
*Date: 05/11/09 (EST)*

To verify the installation of the hot fix confirm that the following file(s):  
sas.analytics.mfg.warranty.core.client\_4.1.0.jar  
sas.analytics.mfg.warranty.core.jar

has been added in following locations indicated by the date provided:  
<!SASHOME>\SASAPCore\apps\SASWarrantyAnalysis\lib  
*Date: 09/10/09 (EST)*

### **Analytics Platform Tier Post-Installation Instructions:**

After you have installed 41wrtyanlap04wn.exe and verified the above files in respective directories please go through the manual steps mentioned below:

1. Copy  
<!SASHOME>\SASAPCore\apps\SASWarrantyAnalysis\lib\sas.analytics.mfg.warranty.core.client\_4.1.0.jar to <!SASHOME>\SASAPCore\lib
2. Copy  
<!SASHOME>\SASAPCore\apps\SASWarrantyAnalysis\lib\sas.analytics.mfg.warranty.core.smartobj.jar to <!SASHOME>\SASAPCore\lib

Modify app.config for performance improvements as follows:

1. Edit !SASInstall\SAS\SASAPCore\apps\SASWarrantyAnalysis\app.config
2. At the bottom of the file add:
  - a) midTier.dataCacheLocation=<Path\_to\_directory\_for\_storing\_SWACache>  
for example, midTier.dataCacheLocation=C:/SWACache/
  - b) (Optional) Setup this property if you don't want the default value of 5 days  
midTier.dataCache.deleteAfterNDays=<Number\_of\_days>  
for example, midTier.dataCache.deleteAfterNDays=10
  - c) Make sure that logging.xml is false to turn off analysis option retrieval logging.

NOTE: You have to restart Analytics Platform for the above modifications to take effect.

### Updating Mid Tier:

#### **Installing 41wrtyanlmid04wn.exe:**

The Server Configuration component of the hot fix package is a self extracting executable named 41wrtyanlmid04wn.exe. 41wrtyanlmid04wn.exe should be copied to and installed on all SAS Warranty Analysis Mid-Tier Server machine.

Launching the executable will initiate a Java install wizard, which will guide you through the extraction of the updated component(s).

41wrtyanlmid04wn.exe Java installation file containing following files below:

- sas.analytics.mfg.warranty.webapp.jar
- sas.analytics.mfg.warranty.app\_4.1.0.jar
- sas.analytics.mfg.warranty.core.client\_4.1.0.jar
- org.eclipse.equinox.launcher\_1.0.0.v20080924.jar
- JavaConf.xml
- SWA\_Eclipse\_RCP.jnlp.orig
- Eclipse\_Signed\_Extensions.jnlp.orig

To verify the installation of the hot fix confirm that the following file(s):

- sas.analytics.mfg.warranty.app\_4.1.0.jar
- sas.analytics.mfg.warranty.core.client\_4.1.0.jar

have been added in following locations indicated by the date provided:

<!SASHOME>\SASWarrantyAnalysis\4.1\MidTier\WebApp\SASWarrantyAnalysis\plugins  
*Date: 09/10/09 (EST)*

The following file(s):

- org.eclipse.equinox.launcher\_1.0.0.v20080924.jar

has been added in following locations indicated by the date provided:

<!SASHOME>\SASWarrantyAnalysis\4.1\MidTier\WebApp\SASWarrantyAnalysis\plugins  
*Date: 04/21/09 (EST)*

The following file(s):

- sas.analytics.mfg.warranty.webapp.jar

has been added in following locations indicated by the date provided:

!SASHOME>\SASWarrantyAnalysis\4.1\MidTier\WebApp  
*Date: 09/10/09 (EST)*

The following file(s):

- sas.analytics.mfg.warranty.webapp.jar
- sas.analytics.mfg.warranty.core.client\_4.1.0.jar

has been added in following locations indicated by the date provided:

<!SASHOME>\SASWarrantyAnalysis\4.1\MidTier\WebApp\SASWarrantyAnalysis\WEB-INF\lib  
*Date: 09/10/09 (EST)*

The following file(s):  
JavaConf.xml

has been added in following locations indicated by the date provided:  
<!SASHOME>\SASWarrantyAnalysis\4.1\MidTier\SystemAssembly  
*Date: 05/20/09 (EST)*

The following file(s):  
SWA\_Eclipse\_RCP.jnlp.orig  
Eclipse\_Signed\_Extensions.jnlp.orig

have been added in following locations indicated by the date provided:  
<!SASHOME>\SASWarrantyAnalysis\4.1\MidTier\WebApp\SASWarrantyAnalysis\jnlp  
*Date: 05/20/09 (EST)*

### Mid Tier Post-Installation Instructions:

After you have installed 41wrtyanImid04wn.exe and verified the above files in respective directories please go through the manual steps mentioned below:

1. Backup <!SASCONFIG>/Lev1/web/webapps/SASWarrantyAnalysis.war i.e., rename the file to SASWarrantyAnalysis.war.01062009, where 01062009 is the date when the hot fix is applied.
2. Run  
<!SASHOME>/SASWarrantyAnalysis/4.1/MidTier/SystemAssembly/assembleWarFile.sh  
This will create a new SASWarrantyAnalysis.war in <!SASCONFIG>/Lev1/web/webapps
3. Deploy the newly created SASWarrantyAnalysis.war in your application server.  
**Note:** Before deploying the newly created SASWarrantyAnalysis.war, ensure that you have removed the previously deployed SASWarrantyAnalysis application from your application server. Also ensure that the application server cache is cleared. Please refer to the instructions manual of your Web Application Server for updating war files.  
For Ex., if you are using Tomcat 4.1 as your application server, delete SASWarrantyAnalysis folder from <!TOMCATDIR>/webapps and clear <!TOMCATDIR>/work.
4. Follow this step if you are using WebLogic as your application server.
  - a. Backup <!SASCONFIG>/Lev1/web/webapps/exploded/SASWarrantyAnalysis.war i.e., rename the folder to SASWarrantyAnalysis.war.01062009, where 01062009 is the date when the hot fix is applied.
  - b. Copy  
<!SASHOME>/SASWarrantyAnalysis/4.1/MidTier/WebApp/SASWarrantyAnalysis to <!SASCONFIG>/Lev1/web/webapps/exploded/
  - c. Rename the newly copied SASWarrantyAnalysis folder to SASWarrantyAnalysis.war
  - d. Deploy <!SASCONFIG>/Lev1/web/webapps/exploded/SASWarrantyAnalysis.war in WebLogic.

### Updating Client Tier:

#### **Installing 41wrtyanlclnt04wn.exe:**

The client component of the hot fix package is a self extracting executable named 41wrtyanlclnt04wn.exe. 41wrtyanlclnt04wn.exe should be copied to and installed on all client machines.

Launching the executable will initiate a Java install wizard, which will guide you through the extraction of the updated component(s).

41wrtyanlclnt04wn.exe Java installation file containing replacement files below:

- sas.analytics.mfg.warranty.app\_4.1.0.jar
- sas.analytics.mfg.warranty.core.client\_4.1.0.jar

To verify the installation of the hot fix confirm that the following file(s):

- sas.analytics.mfg.warranty.app\_4.1.0.jar
- sas.analytics.mfg.warranty.core.client\_4.1.0.jar

have been added in following locations indicated by the date provided:

<!SASHOME>\SASWarrantyAnalysis\4.1\Client\plugins

*Date: 09/10/09 (EST)*

### Updating SAS Server Tier:

#### **Installing 41wrtyanlmva04wn.exe:**

The SAS Server Tier component of the hot fix package is a self extracting executable named 41wrtyanlmva04wm.exe. 41wrtyanlmva04wm.exe should be copied to and installed on all SAS Warranty Analysis Server Tier machines.

Launching the executable will initiate a install wizard, which will guide you through the extraction of the updated component(s). The following files will be installed:

sasmacr.sas7bcat

the replacement catalog containing the hot fix in <!SASHOME>\SAS 9.1\wrtyanlmva\cmacros  
cnfg\_buildworldmactable.sas

the replacement catalog containing the hot fix in  
<!SASHOME>\SAS 9.1\wrtyanlmva\install\configure

#### **SAS Tier Post-Installation Instructions:**

1. **\*\* MANDATORY \*\*** Run the following script in an interactive SAS session on the server that contains the PARMSL library. This script will add a new column CONNECTSERVER to the parmsl.datasourcids\_base table that will determine how a remote SPDS data mart will be accessed. The default value for this column is N, and hence, SAS sever will directly connect

to the remote SPDS server without SAS/CONNECT. If you wish to use SAS/CONNECT, change the value of CONNECTSERVER to Y.

```

libname parmsl ' '; /* Define parmsl libref */
%let libname=parmsl;
%let viewlibname=&libname;

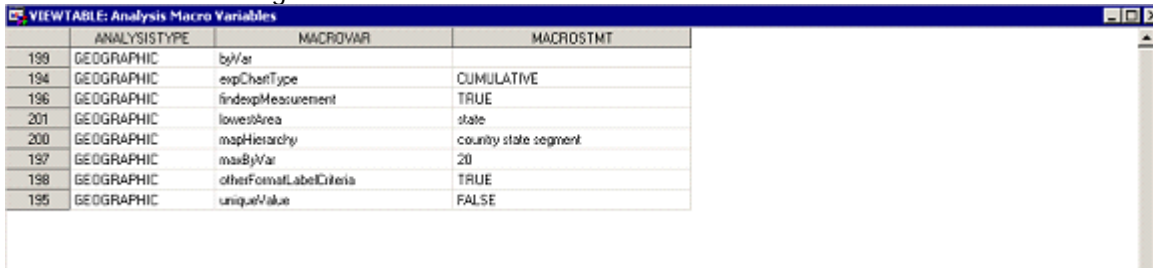
proc sql noprint;
alter table &libname..DATASOURCEIDS_BASE
  add CONNECTSERVER char(1) label='Y/N to use Connect Server
for Remote Datamart';

update &libname..DATASOURCEIDS_BASE
  set CONNECTSERVER="N";

create view &libname..DATASOURCEIDS as
  select a.DATASOURCEID,
         b.TEXT as NAME,
         a.DATASOURCEGROUP,
         a.LIBREF,
         a.LIBCONTENTTYPE,
         a.ENGINE,
         a.PATH,
         a.DATAPATHS,
         a.INDEXPATHS,
         a.SERVER,
         a.CONNECTPORT,
         a.SERVICEPORT,
         a.DOMAIN,
         a.USER,
         a.PASSWORD,
         a.CONNECTSERVER
  from &viewlibname..DATASOURCEIDS_BASE as a
  left join
  &viewlibname..DATASOURCEIDS_NLS as b
  on a.DATASOURCEID eq b.KEY and
     upcase(getpxlocale()) eq upcase(b.locale)
;
quit;

```

2. Execute the following steps if you would like to display Geographic Analysis results with the world map as the geographic area.
  - a. Run the script `cnfg_buildworldmaptable.sas` in an interactive SAS session on the server that contains the PARMSSL library to recreate the world map tables. This script can be found at `<ISASHOME>\SAS 9.1\wrtyanlmva\install\configure`.
  - b. Verify the following settings in the `parmsl.analysisMacVars` table:
    - i. `analysistype=GEOGRAPHIC macrovar=lowestArea macrostmt=state`
    - ii. `analysistype=GEOGRAPHIC macrovar=mapHierarchy macrostmt=cont state segment`



	ANALYSISTYPE	MACROVAR	MACROSTMT
199	GEOGRAPHIC	byVar	
194	GEOGRAPHIC	expCharType	CUMULATIVE
196	GEOGRAPHIC	findexpMeasurement	TRUE
201	GEOGRAPHIC	lowestArea	state
200	GEOGRAPHIC	mapHierarchy	country state segment
197	GEOGRAPHIC	mapByVar	20
198	GEOGRAPHIC	otherFormatLabelCriteria	TRUE
195	GEOGRAPHIC	uniqueValue	FALSE

- c. Replace the settings in the parmsl.Screenattrvalues\_base table to:
  - i. attrname=geographicarea value=parmsl.proj\_world

VIEWTABLE: Screen Attribute Values Base				
	ATTRNAME	ORDER	VALUE	ATTRCRITERIA
194	geographicarea	10	parmsl.proj_world	

- d. Replace the settings in the parmsl.Screenattrvalues\_nls table to:
  - i. locale=en\_US key=geographicarea10 text=World

VIEWTABLE: SCREENATTRSVALUES NLS				
	LOCALE	KEY	LINENO	TEXT
99	en_US	geographicarea10	1	World

For other locales, the TEXT column should contain the translation of 'World' in Unicode escape sequence (\uxxxxx). Unicode escape codes can be generated using the SAS function *unicoddec*.

3. If SAS Warranty Analysis 4.1 is configured to support multiple currencies, insure that the SAS\_FORMAT column in the parmsl.exchange\_rates\_info\_base table contains a valid SAS format such as NLMNYw.d (national language monetary) formats.

VIEWTABLE: Exchange Rates Information Base		
	CURRENCY_CD	SAS_FORMAT
1	GBP	NLMNLGBP32.2
2	INR	NLMNLINR32.2
3	SEK	NLMNLSEK32.2
4	USD	NLMNLUSD32.2

4. Mid-tier data caching was introduced in SAS Warranty Analysis Hot Fix 03 for performance improvement. Changes made to tables in the PARMSL library require clearing of memory cache. This can be done in the Diagnostic Client by selecting the link under Memory Cache Size (K) or the Cache View link, and selecting Clear.

This completes the installation of hot fix 41WARNTY04 on WINDOWS.